International Journal of Fracture

CONTENTS OF VOLUME 77 (1996)

Vol. 77, No. 1, 1996

Foreword: Editorial transition	M.L. WILLIAMS	v
Bifurcation of crack pattern in arrays of two-dimensional cracks	H.-B. MUHLHAUS, K.T. CHAU and A. ORD	1–14
Time-dependent boundary element analysis for an interface crack in a two-dimensional unidirectional viscoelastic model composite	S.S. LEE	15–28
An assessment of the crack tip opening displacement criterion for predicting creep crack growth	L. XIA, T.H. HYDE and A.A. BECKER	29–40
An analysis of mode I interlaminar deformation ahead of crack front in composite DCB specimens	K. ARAKAWA and K. TAKAHASHI	41–50
Standardized complex and logarithmic eigensolutions for n-material wedges and junctions	S.S. PAGEAU, K.S. GADI, S.B. BIGGERS, Jr. and P.F. JOSEPH	51–76
Asymptotic solution for mode III crack growth in J_2-elastoplasticity with mixed isotropic-kinematic strain hardening	D. BIGONI and E. RADI	77–93

Vol. 77, No. 2, 1996

Edge delamination in a laminated composite strip under generalized plane deformations	I. JEON, B.W. CHA and S. IM	95–110
Modeling and simulation of crack propagation in mixed-modes interlaminar fracture specimens	O. ALLIX and A. CORIGLIANO	111–140
Polymers toughened with rubber microspheres: an analytical solution for stresses and strains in the rubber particles at equilibrium and rupture	C. FOND, A. LOBBRECHT and R. SCHIRRER	141–159
Fracture mechanics analysis of cracked 2-D anisotropic media with a new formulation of the boundary element method	E. PAN and B. AMADEI	161–174
Solution of cracks developing from stress raisers, in finite bodies, by a hybrid dislocation density/BEM approach	S. LIN and D.A. HILLS	175–184

Vol. 77, No. 3, 1996

Competition between brittle fracture and plastic collapse in the failure of thin rectangular panels	A. BACCI and S. LIGARÒ	185–198
Nonlinear motion of crack tip atoms during cleavage processes	HONGLAI TAN and WEI YANG	199–212
Fracture analysis of semi-circular and semi-circular-bend geometries	R.M. ADAMSON, J.P. DEMPSEY and S.V. MULMULE	213–222
Influences of non-singular stresses on plane-stress near-tip fields for pressure-sensitive materials and applications to transformation-toughened ceramics	Z.E.A. BEN-AOUN and J. PAN	223–241
Three-dimensional nonplanar fracture model using the surface integral method	S.C. FORTH and W.D. KEAT	243–262
Stress singularities at a joint formed by dissimilar elastic–plastic materials under mechanical loading	M.A. SCKUHR, A. BRUECKNER-FOIT, D. MUNZ and Y.Y. YANG	263–279

Vol. 77, No. 4, 1996

Numerical simulations of hole growth and ductile fracture initiation under mixed-mode loading	A.K. GHOSAL and R. NARASIMHAN	281–304
Separation of crack extension modes in orthotropic delamination models	J.L. BEUTH	305–321
Analysis of crack closure problem using the dual boundary element method	S.S. LEE	323–336
Finite element analysis of a subsurface crack	F. YANG, C. QIAN and J.C.M. LI	337–350
Stress intensity solutions for the interaction between a hole edge crack and a line crack	N. HASEBE and Y.Z. CHEN	351–366
On the effects of higher vibration modes in the analysis of three point bend testing	P.R. MARUR	367–379
Author index		381
Volume contents		383–384